



## Senior Geophysicist - Specified Calling L3 (MP140055)

<b>Group:</b>	Resource and Environmental Regulation	<b>Location:</b>	Mineral House - East Perth
<b>Division/Directorate:</b>	Regional Geoscience	<b>Supervises:</b>	0
<b>Branch:</b>	State Geoscience	<b>Reports to:</b>	Manager Earth Imaging and Observation
<b>Section:</b>	Earth Imaging and Observation		

### Operational Context

Within the Resource and Environmental Regulation Group the Geological Survey and Resource Strategy Division (GSRSD) is responsible for the facilitation of investment through the provision of geoscience data and products and for setting strategic resource policy. The division manages the Abandoned Mines Team and the Exploration Incentive Scheme including the co-funded drilling program. The division also provides information and products to support the approval of mining tenements and petroleum titles and other related legislative compliance processes.

### Role Overview

The Senior Geophysicist undertakes project-based natural-source seismology studies, integrating geophysical and geological datasets, and compiles quality, comprehensive reports, maps and models to publication standard. In addition, the role processes and assists in the interpretation of geophysical datasets using industry-standard software, and assists in the integration of seismology into Geological Survey activities, processes, databases and products.

### Role Responsibilities

(The following outlines the key responsibilities and duties related to this position)

- Undertakes project-based seismological studies across WA and compiles quality comprehensive reports, maps and models to publication standard.
- Processes and assists in the interpretation of seismological datasets and generation of crustal scale models.
- Assists in the integration of seismology into Geological Survey activities processes, databases and products.
- Provides professional expertise and experience when contributing to the development of new projects and the planning and organizing of geoscience studies and associated fieldwork.
- Provides geophysical advice including communicating geoscientific results and participating in peer review of GSWA products and services.
- Maintains up-to-date knowledge related to geophysics and seismology and assists in the formulation and establishment of new and improved processes.
- Assists in staff training and development and provides technical leadership to less experienced staff.
- Supervises and monitors the day-to-day performance of support and field staff assigned to them.

### Corporate Responsibilities

(The following outlines departmental responsibilities)

- Contributes to or responsible for the achievement of corporate objectives through effective management by ensuring that stakeholders are dealt with in a professional and timely manner.
- Builds productive working relationships with community stakeholders to ensure effective community engagement, provide opportunities to input on policy and to facilitate agreement of mutually beneficial solutions.
- Provides effective leadership within corporate policies and procedures, acts with integrity and ensures staff demonstrate ethical behaviours aligned with the Department Code of Conduct.
- Performs other roles/tasks as directed.
- Takes reasonable care to protect your own safety and health at work, and that of others by co-operating with the safety and health policies and procedures of the department and complying with all provisions of the Occupational Safety and Health Act 1984.

### Role specific requirements

(The following outlines what experience and qualifications are required to fulfil this role)

- Bachelor of Science (Geophysics) or approved equivalent degree.
- Postgraduate qualification in geophysics and work experience in the mineral exploration industry and/or government organisations would be an advantage.
- Experience in the acquisition, processing and interpretation of natural-source seismological data and a demonstrated ability to compile quality comprehensive reports maps and models to publication standard.
- Demonstrated experience in processing and interpreting seismological data for crustal and lithospheric imaging, local seismicity and seismic hazard monitoring.
- Experience in current seismological QA/QC, data management and processing techniques using standard software and data dissemination.
- Experience in integrating seismological data and models with other geophysical datasets.

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### **Capabilities Required**

(The following outlines the behaviours required to be demonstrated to perform this role)

- Demonstrates good judgement, research and analytical skills.
- Actively listens to staff, colleagues, clients and stakeholders, involves and recognises others' contributions.
- Prepares reports on analytical research and/or investigations.
- Commits to meeting objectives, identifies and implements appropriate risk strategies and follows up to finalise work.
- Adheres to the Code of Conduct, acts with integrity and behaves in an honest, professional and ethical way.

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### **This position reports to:**

Manager Earth Imaging and Observation

Position No: MIS19258      Classification: SCL4

### **Positions reporting to this Role:**

This position has no direct reports

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### **Position Conditions:**

(The following outlines pre-employment assessments and ongoing conditions and requirements)

- National Police Check
- Medical Check
- C Class Drivers Licence - Manual

### **Approved Date**

25-NOV-2021